

IBM Defense Operations Platform Workbench Edition

Strategic IT asset deployments for a tactical edge



Highlights:

- Helps developers create a business architecture and actionable assets with end-to-end traceability for the IBM Defense Operations Platform
 - Bridges the gap between the enterprise and the IT organization by offering visibility over asset value and replacement costs
 - Helps you see the value of assets created with the IBM Defense Operations Platform Workbench Edition and their impact on your organization
 - Reduces implementation costs with pre-integrated tools that are ready-to-go, pre-defined and pre-installed
-

Mission applications take time and resources to build. Once they are complete, how can you be sure of their value? Without visibility, warfighters can only learn in the field.

Defense Operations Platform Workbench Edition provides for transparency throughout the asset creation process. Mission developers can understand the mission value of applications created using Workbench by reviewing a complete record of an asset's development process. The Workbench Edition provides traceability of an asset's evolution step-by-step — throughout its development history.

IBM Defense Operations Platform Workbench Edition is a pre-integrated, pre-tested suite of architecture, modeling, code management and deployment tools. It gives architects, software engineers, developers and quality assurance personnel a quick start for developing and deploying mission applications and services for the IBM Defense Operations Platform. The workbench deploys in a single day, saving time and installation costs, as well as accelerating the mission application build process. Military organization face fast-paced challenges and need to immediately get their development environments up and running so that they can begin to build mission applications.

The armed forces face complex problems: Project delivery shouldn't be one of them.

Protecting civilians in a dangerous world presents military organizations with new challenges. Although resources are limited, armed forces must adapt to:

- Rapidly evolving threats
- Enemies increased use of commercial technology
- The need for increased collaboration
- Diverse mission types



The assets military organizations use to confront these challenges should be developed quickly and cost efficiently. Most projects spend too much time establishing environments and tooling to architect, model, build, test and deploy mission applications. The workbench removes many of the IT configuration complexities which complicate large mission systems development projects.

The challenge of budgetary constraints

Defense forces around the world are being asked to provide more capabilities with smaller budgets. This means organizations are asking critical questions, such as:

- Can I quantify the value of our architectures, requirements and engineering processes?
- Have I improved our line-of-business and IT alignment of objectives and operations?
- Do I have a mission asset reuse program?
- How long does it take a change to traverse the life cycle?
- Do I look for a better understanding of how change impacts IT systems?
- How quickly can I bring users and stakeholders on board?
- Can I easily convert a mission design into an implementation?
- Can I determine when a requirement has been met?
- Can I deliver interoperability — required from factory to fox hole — in a cost effective manner while not trading off vital war fighting capabilities?

Increasingly diverse defense missions require greater speed and less IT complexity. This clarifies the need for a new paradigm, which must:

- *Eliminate* duplication and unnecessary redundancy
- *Share* common capabilities
- *Connect* information sources
- *Thread* together business and operational processes
- *Gain* control over the enterprise
- *Build* more robust underlying information foundations
- *Reduce* the effort and complexity needed to introduce new capabilities
- *Focus* development efforts on value-added capability
- *Deliver* faster business benefits
- *Unlock* potential in existing information assets
- *Improve* cyber hardening

Defense Operations Platform approach

IBM solutions have been tested in the real world and have a record of helping our clients overcome defense challenges. Customers benefit from field lessons-learned, as the IBM Defense Operations Platform Workbench Edition is based on best practices and client exposure. Best practices are developed at the IBM Academy of Technology, which has studied over 200 projects worldwide.

The Workbench was designed using the following principles

- **Provide** significant business agility exploitation by allowing the business to continuously measure impact analysis, productivity, reuse, and costs.
- **Deliver**, through experts and technology, actionable assets that will readily turn into an implementation.
- **Reduce** complexity of the implementation by providing specific roles, standards and technology to match people's skills.
- **Create** a way to manage, govern and reuse results across the lifecycle.

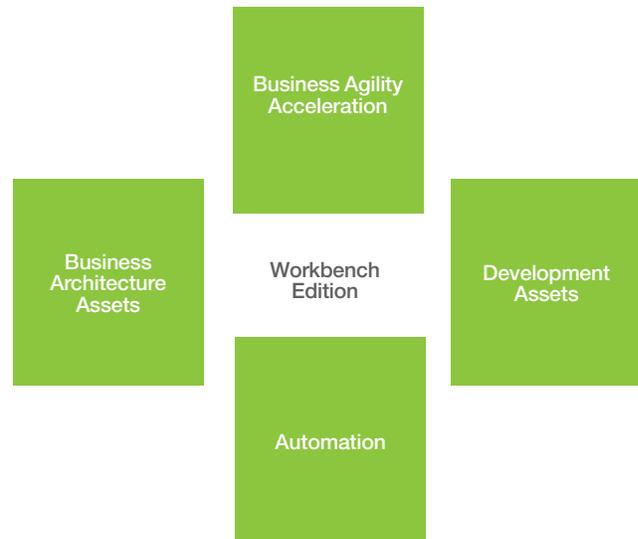


Figure 1: The IBM Defense Operations Platform Workbench speeds mission delivery by enabling asset and repository traceability, end-to-end.

Bolster security globally, but keep costs within your neighborhood.

IBM solutions are designed to control costs. The IBM Defense Operations Platform Workbench Edition software tools are also completely pre-integrated. They're ready-to-go, pre-defined and pre-installed; IT staff will not need to configure a laundry list of different products.

The Workbench bridges the gap between enterprise and IT organizations. By offering visibility over asset value and replacement costs, it provides transparency to the value of assets created by the tool and their impact on your organization. Deploy applications and services on any of three platforms; the Command Center, Field or Mobile editions. Both data center and mobile applications are supported by Workbench.

By offering a range of capabilities, the IBM Defense Operations Platform Workbench Edition helps:

- *Treat* architecture and engineering deliverables as valuable business assets that can be viewed, managed, reviewed and governed
- *Simulate* or monitor key performance and agility indicators during the architecture and engineering processes to deliver working architectures
- *Perform* “what if” and impact analyses of business concerns such as; cost, quality of deliverables, reuse potential of business architecture and the impact on accelerating development
- *Document* asset history in terms business users understand and development, testing and operations users can easily implement
- *Treat* the product development life cycle as a valid business process to be managed and measured
- *Bring* your business, partners and competitors together for increased understanding, teaming and reuse of assets using the asset and governance approach
- *Deliver* on the promise of service oriented architecture by increasing reuse
- *Align* IT and business efforts to double productivity gains compared to isolated efforts
- *Minimize* or eliminate paper-only delivery and associated project costs
- *Achieve* end-to-end traceability from mission funding to field test results

- *Drive* toward a:
 - 30 Percent improvement in estimating architecture, requirements and engineering project lifecycles
 - 90 Percent improvement in “what-if” testing of resource, scope and cost parameters
 - 50 Percent improvement in requirements definition and traceability
- *Realize* 15 to 50 percent improvement in the following:
 - Asset quality
 - Asset reuse
 - Time savings
 - Cost savings (by improving the way you currently perform IT architecture, requirements and engineering deliveries.)

Make your deployments fast, easy and right on budget now.

When you need trouble-free deployments fast enough to meet the speed of warfare, IBM Workbench can help your defense organization increase agility and reduce IT complexity. It helps military organizations running the IBM Defense Operations Platform cut installation costs and gain asset value visibility. Get started with the workbench today and start seeing the value of the IT assets you create for yourself.

For more information

To learn more about to the IBM Defense Operations Platform Workbench Edition, visit:

ibm.com/software/industry/defense-operations-platform/



© Copyright IBM Corporation 2011

IBM Global Services
Route 100
Somers, NY 10589
U.S.A.

Produced in the United States of America
September 2011
All Rights Reserved

IBM, the IBM logo, ibm.com IBM, the IBM logo, and ibm.com are trademarks or registered trademarks of International Business Machines Corporation in the United States, other countries, or both. If these and other IBM trademarked terms are marked on their first occurrence in this information with a trademark symbol (® or ™), these symbols indicate U.S. registered or common law trademarks owned by IBM at the time this information was published. Such trademarks may also be registered or common law trademarks in other countries. A current list of IBM trademarks is available on the Web at “Copyright and trademark information” at: ibm.com/legal/copytrade.shtml.

Other product, company or service names may be trademarks or service marks of others.

References in this publication to IBM products or services do not imply that IBM intends to make them available in all countries in which IBM operates



Please Recycle